

**BIOSENSOR WITH MULTIPLE SAMPLING WAYS****ABSTRACT OF THE DISCLOSURE**

A biosensor for detecting contents of biochemical components in a sample, comprising: an electrically insulating substrate; an anode disposed  
5 on the substrate, the anode being formed with, on both ends of the anode, a working electrode and an anode connector respectively; a cathode disposed on the substrate, the cathode being formed with, on both ends of the cathode, a reference electrode and a cathode connector respectively; a reaction layer disposed on the working electrode and the reference  
10 electrode having an area, the reaction layer being used for contacting and for reacting with the sample; an electrically insulating layer disposed on the substrate and having an opening for receiving the sample on the reaction layer and an opening end; and a reticular covering layer on the reaction layer, the reticular covering layer at least covering a part of the opening.  
15 A sample can be introduced from the opening end by a capillary attraction between the reticular covering layer and the reaction layer, which makes sampling easier. If the reticular covering layer is hydrophilic, a sample can be introduced from the top of the biosensor by a hydrophilic attraction of the covering layer, or from the opening end by a capillary attraction  
20 method.